


62719-348

04/23/2001

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration <small>(Under FIFRA, as amended)</small></p>	EPA Reg. Number: 62719-348	Date of Issuance: APR 23 2001
	Term of Issuance: Expires 4/23/06	
	Name of Pesticide Product: InLine	
Name and Address of Registrant (include ZIP Code): Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Submit Corrosion and Storage Stability data (Guideline 830.6320 Corrosion Characteristics and Guideline 830.6317 Storage Stability) by April 23, 2002. 3. Make the following labeling changes before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration Number 62719-348". b. Revise the first aid statements located on pages 1 and 6 according to PR Notice 2001-1. c. The signal word "DANGER" on page 2 must be moved to appear below the heading "Hazards to Humans and Domestic Animals" and immediately precede the precautionary statements. d. On page 2 and 8, under "Air Concentration Level," add the following sentence between the first and second sentence "If the air concentration level exceeds 0.1 ppm, an air-purifying respirator must be worn." 		
Signature of Approving Official: <i>Mary L. Waller</i> Mary L. Waller, Product Manager (21) Fungicide Branch, Registration Division	Date: 4/23/01	

e. Under "Personal Protective Equipment (PPE)", in Section # 1 on pages 2 and 9, replace the last bullet with the revised labeling as follows:

- The following PPE must be immediately available to the handler in case of emergency:
 - Coveralls
 - Full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter."

f. Under "Personal Protective Equipment (PPE), in Section # 2 on pages 3 and 9, make the following changes:

- A. Delete the requirement to wear face sealing goggles.
- B. Add "any activity less than 6 feet from an unshielded pressurized hose containing this product" to the list of direct contact tasks.
- C. Add "chemical-resistant headgear for overhead exposure" to the PPE
- D. Add "Full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter."

g. Under "Personal Protective Equipment (PPE)", in Section # 3 on pages 3 and 9, replace the last bullet with the revised labeling as follows: "Full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter."

h. In the "User Safety Requirements" box on pages 4 and 10, switch item b and c.

i. Add the following labeling as item number 2 on pages 4 and 10 and reorganized the numerical order as appropriate: "2. **Never fumigate alone:** It is imperative to always have an assistant and proper protective equipment in case of accidents".

j. In the Agricultural Use Requirements box under "Entry Restriction:", revise the last sentence to read as follows: "Non-handler entry is prohibited while tarps are being removed."

k. Add the label statements for chemigated toxicity I products as required by PR Notice 87-1 so t hat they appear following the Agricultural Use Requirements box. The statements are as follows:

"Posting of areas to be chemigated is required when any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of signs should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application

and must remain posted for 14 days. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for duration of posting period.

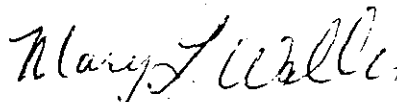
All words shall consist of letters at least 2 ½ inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

1. In the "Storage, Shipment and Disposal" box, under "Shipment" replace "Do not ship or store with food, feeds, drugs, or clothing." with "Do not contaminate water, food, or feed by storage and disposal."

4. Submit one copy of your final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



Mary L. Waller
Product Manager 21
Fungicide Branch
Registration Division

Enclosure

4/20

(Base label):

RESTRICTED USE PESTICIDE

Due to high acute inhalation toxicity and carcinogenicity.
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

(logo) Dow AgroSciences

InLine*

A multi-purpose liquid fumigant for the preplant treatment of soil to control nematodes and symphylans and to manage certain soil borne diseases in cropland using drip irrigation systems only.

Active Ingredients:	
1,3-dichloropropene	60.8%
chloropicrin	33.3%
Inert Ingredients	5.9%
Total	100.0%

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

4/23/01

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.**

62719-348

One gallon of InLine weighs about 11.2 lb. and contains 6.57 pounds of 1,3-dichloropropene and 3.73 pounds of chloropicrin.

Keep Out of Reach of Children

**DANGER
PELIGRO**



POISON

[Note to Label Editor: The word "POISON" must appear in red on a contrasting background.]

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

First Aid

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

If on skin or clothing: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not immediately available, remove excess chemical from skin with sorbent material such as towel or dry soil, then proceed at once to location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

If swallowed: Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Note to physician: Because rapid absorption may occur through lungs if product is aspirated and cause systemic effects, the decision to induce vomiting or not should be made by a physician. If lavage is performed, endotracheal and/or esophageal control is suggested. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Precautionary Statements

Danger

Hazards to Humans and Domestic Animals

TOXIC LIQUID AND VAPOR

Corrosive To Eyes And Skin • Causes Irreversible Eye Damage • Causes Skin Burns • Fatal If Swallowed, Inhaled Or Absorbed Through The Skin • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals • Prolonged Contact May Cause Lung, Liver, And Kidney Damage And Respiratory System Irritation

Do not get in eyes, on skin, or on clothing. Do not take internally. Do not breathe vapor.

- The use of this product may be hazardous to your health. This product contains 1,3-dichloropropene, which has been determined to cause tumors in laboratory animals. Risks can be reduced by exactly following directions for use, precautionary statements, and by wearing the personal protective equipment specified in this labeling.
- This product also contains chloropicrin, a strong lachrymator (tear-producing eye irritant), which has the capacity to cause marked irritation to the upper respiratory tract. Low concentrations are capable of causing painful eye irritation. The effect may be so powerful that a person may become temporarily blinded and panic-stricken. That, in turn, may lead to accidents.

Air Concentration Level

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/M³). If the air concentration level exceeds 4 ppm, an air supplied respirator must be worn. The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa, Draeger, or Sensidyne.

Personal Protective Equipment (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category H on an EPA chemical resistance category selection chart. PPE constructed of Saranex, neoprene, and chlorinated polyethylene provide short-term contact or splash protection against liquid in this product. Longer-term protection is provided by PPE constructed of Viton, Teflon, and EVAL barrier laminates (for example Responder suits manufactured by Life-guard or Silvershield gloves manufactured by North). Where chemical-resistant materials are required, leather, canvas, or cotton materials offer no protection from this product and must not be worn when contact with this product is possible. Coveralls must be loose-fitting and constructed of woven fabrics (e.g. tight knot cotton or cotton/polyester), non-woven fabrics (e.g. Tyvek or Sontara), or fabrics containing microporous Teflon.

1. Handlers Performing Mechanical Transfer of Product - Closed Delivery Systems

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear and socks
- Face-sealing goggles
- In addition, the PPE specified in (2) for direct-contact activities must be immediately available to the handler and must be worn if needed in the case of emergency

2. Handlers Performing Direct Contact Tasks

Direct contact tasks are tasks performed outdoors. They include:

- equipment calibration or adjustment
- equipment clean-up and repair
- product sampling
- rinsate disposal
- fumigant transfer - open delivery systems
- clean-up of small spills
- preparing containers for aeration
- any other task not otherwise listed in (3) or (4) below

Handlers performing direct contact tasks must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear plus socks
- Face-sealing goggles
- Chemical-resistant apron
- A full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section on this label.

3. Handlers in the treated area within 5 days after application

Only the following handler tasks may be performed in the treated area within 5 days after the application is complete:

- Assessing pest control, application technique, or application efficacy
- Sampling air or soil for this product
- Assessing/adjusting the soil seal including plastic or tarp

All other tasks are prohibited until the 5 day period has expired.

Handlers performing the above tasks in the treated area within 5 days after application must wear:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear and socks
- A full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section on this label.

4. Handlers exposed to high concentrations

Handlers exposed to high airborne concentrations of this product, such as cleanup following large spills, must wear:

- Chemical-resistant suit
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear
- Supplied-air respirator with MSHA/NIOSH approval number prefix TC-19C or self-contained breathing apparatus (SCBA) with MSHA/NIOSH approval number prefix TC-13F. See further respirator requirements in the "User Safety Requirements" section on this label.

Note: In-tank cleaning of bulk tanks must be performed only by persons who have been specifically trained for this activity. Refer to OSHA 29 CFR Part 1910.146 and the "Telone Soil Fumigants - A Guide

Engineering Controls Requirements

With all bulk and mini-bulk containers, InLine must be transferred through connecting hoses, pipes, and/or couplings sufficiently tight to prevent workers or other persons from coming in contact with liquid InLine.

1. All hoses, piping, and tanks used in connection with InLine shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered.
2. External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
3. The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
4. Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of InLine product when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize pesticide leakage must be installed at the disconnect point.
5. The pressure in hoses used to move InLine beyond a pump must not exceed the manufacturer's maximum pressure specification.

User Safety Requirements

1. **Respirator Requirements:** When a respirator is required for use with this product, the following criteria must be met:
 - a. Full-face respirators must be worn.
 - b. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
 - c. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
 - d. Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
 - e. Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
2. **Dispose of Contaminated Clothing:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
3. **Clean and Maintain PPE:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.
4. **Contact With Mouth:** Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc.
5. **Heat Illness Avoidance:** Use measures to avoid or minimize heat illness while using this product. These measures include gradual adjustment to heat and respirator stress, fans for cooling, cooling vests, frequent breaks to cool down, frequent intake of drinking water, and maintaining weight from day to day.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. See "Storage, Shipment, and Disposal" section. In case of spills properly dispose of contaminated materials.

Ground water advisory: 1,3-dichloropropene is known to move through soil and under certain conditions has the potential to reach ground water as a result of agricultural use. Application in areas where soils are permeable and ground water is near the surface could result in ground water contamination. Do not apply within 100 feet of any well used for potable water. Do not apply in areas overlying karst geology.

In North Dakota, South Dakota, Wisconsin, Minnesota, New York, Maine, New Hampshire, Vermont, Massachusetts, Utah, and Montana: Where groundwater aquifers exist at a depth of 50 feet or less from the surface, do not apply this product where soils are Hydrologic Group A.

Physical or Chemical Hazards

Flammable - Do not use, pour, spill, or store near heat or open flame. Do not cut or weld container.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read "Warranty Disclaimer," "Inherent Risks of Use," and "Limitation of Remedies" at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

28 17 45 44 69
EPA Est. 464-TX-1; 464-MI-1; 464-CA-1; 464-CA-2; 54686-WA-1
Superscripts correspond to places 7 & 8 of lot number.

*Trademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Soil Fungicide and Nematicide

Net Contents __ gal

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(Label booklet cover):

<p>RESTRICTED USE PESTICIDE</p> <p>Due to high acute inhalation toxicity and carcinogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.</p>

(logo) Dow AgroSciences LLC

InLine*

A multi-purpose liquid fumigant for the preplant treatment of soil to control nematodes and symphylans and to manage certain soil borne diseases in cropland using drip irrigation systems only.

Active Ingredients:

1,3-dichloropropene	60.8%
chloropicrin	33.3%
Inert Ingredients	5.9%
Total	100.0%

One gallon of InLine weighs about 11.2 lb. and contains 6.57 pounds of 1,3-dichloropropene and 3.73 pounds of chloropicrin.

Keep Out of Reach of Children

**DANGER
PELIGRO**



POISON

[Note to Label Editor: The word "POISON" must appear in red on a contrasting background.]

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

First Aid

- If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- If on skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water not immediately available, remove excess chemical from skin with sorbent material such as towel or dry soil, then proceed at once to location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.
- If in eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
- If swallowed:** Call a physician or Poison Control Center immediately. If person is unconscious, do not give anything by mouth and do not induce vomiting.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Note to physician: Because rapid absorption may occur through lungs if product is aspirated and cause systemic effects, the decision to induce vomiting or not should be made by a physician. If lavage is

10/20

performed, endotracheal and/or esophageal control is suggested. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

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In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-XXX

28 17 45 44 69
EPA Est. 464-TX-1; 464-MI-1; 464-CA-1; 464-CA-2; 54686-WA-1
Superscripts correspond to places 7 & 8 of lot number.

*Trademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 USA
Soil Fungicide and Nematicide

Net Contents __ gal

(page 1 to end)

Precautionary Statements

Hazards to Humans and Domestic Animals

[Note to Label Editor: The word "POISON" must appear in red on a contrasting background.]

TOXIC LIQUID AND VAPOR

Corrosive To Eyes And Skin • Causes Irreversible Eye Damage • Causes Skin Burns • Fatal If Swallowed, Inhaled Or Absorbed Through The Skin • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals • Prolonged Contact May Cause Lung, Liver, And Kidney Damage And Respiratory System Irritation

Do not get in eyes, on skin, or on clothing. Do not take internally. Do not breathe vapor.

- **The use of this product may be hazardous to your health. This product contains 1,3-dichloropropene, which has been determined to cause tumors in laboratory animals. Risks can be reduced by exactly following directions for use, precautionary statements, and by wearing the personal protective equipment specified in this labeling.**
- **This product also contains chloropicrin, a strong lachrymator (tear-producing eye irritant), which has the capacity to cause marked irritation to the upper respiratory tract. Low concentrations are capable of causing painful eye irritation. The effect may be so powerful that a person may become temporarily blinded and panic-stricken. That, in turn, may lead to accidents.**

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Personal Protective Equipment (PPE)

Chemical-Resistant Materials: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category H on an EPA chemical resistance category selection chart. PPE constructed of Saranex, neoprene, and chlorinated polyethylene provide short-term contact or splash protection against liquid in this product. Longer-term protection is provided by PPE constructed of Viton, Teflon, and EVAL barrier laminates (for example Responder suits manufactured by Life-guard or Silvershield gloves manufactured by North). Where chemical-resistant materials are required, leather, canvas, or cotton materials offer no protection from this product and must not be worn when contact with this product is possible. Coveralls must be loose-fitting and constructed of woven fabrics (e.g. tight knot cotton or cotton/polyester), non-woven fabrics (e.g. Tyvek or Sontara), or fabrics containing microporous Teflon.

1. Handlers Performing Mechanical Transfer of Product - Closed Delivery Systems

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear and socks
- Face-sealing goggles
- In addition, the PPE specified in (2) for direct-contact activities must be immediately available to the handler and must be worn if needed in the case of emergency

2. Handlers Performing Direct Contact Tasks

Direct contact tasks are tasks performed outdoors. They include:

- equipment calibration or adjustment
- equipment clean-up and repair
- product sampling
- rinsate disposal
- fumigant transfer - open delivery systems
- clean-up of small spills
- preparing containers for aeration
- any other task not otherwise listed in (3) or (4) below

Handlers performing direct contact tasks must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear plus socks
- Face-sealing goggles
- Chemical-resistant apron
- A full-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the "User Safety Requirements" section on this label.

3. Handlers in the treated area within 5 days after application

Only the following handler tasks may be performed in the treated area within 5 days after the application is complete:

- Assessing pest control, application technique, or application efficacy
- Sampling air or soil for this product
- Assessing/adjusting the soil seal including plastic or tarp

All other tasks are prohibited until the 5 day period has expired.

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4. Handlers exposed to high concentrations

Handlers exposed to high airborne concentrations of this product, such as cleanup following large spills, must wear:

- Chemical-resistant suit
- Chemical-resistant gloves, such as barrier laminate (EVAL) or Viton
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear

- Supplied-air respirator with MSHA/NIOSH approval number prefix TC-19C or self-contained breathing apparatus (SCBA) with MSHA/NIOSH approval number prefix TC-13F. See further respirator requirements in the "User Safety Requirements" section on this label.

Note: In-tank cleaning of bulk tanks must be performed only by persons who have been specifically trained for this activity. Refer to OSHA 29 CFR Part 1910.146 and the "Telone Soil Fumigants - A Guide

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1. All hoses, piping, and tanks used in connection with InLine shall be of the type appropriate for use under the pressure and vacuum conditions to be encountered.
2. External sight gauges shall be equipped with valves so that pipes to sight gauge can be shut off in case of breakage or leakage.
3. The mechanical transfer system must be adequate to make necessary measurements of the pesticide being used.
4. Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of InLine product when the transfer is stopped and hose is removed or disconnected. A dry coupler that will minimize pesticide leakage must be installed at the disconnect point.
5. The pressure in hoses used to move InLine beyond a pump must not exceed the manufacturer's maximum pressure specification.

User Safety Requirements

1. **Respirator Requirements:** When a respirator is required for use with this product, the following criteria must be met:
 - a. Full-face respirators must be worn.
 - b. Cartridges or canisters must be replaced daily or when odor or irritation from this product becomes apparent, whichever is sooner.
 - c. Respirators must be fit-tested and fit-checked using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
 - d. Respirator users must be trained using a program that conforms to OSHA's requirements (described in 29 CFR Part 1910.134).
 - e. Respirator users must be examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn.
2. **Dispose of Contaminated Clothing:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with liquid from this product. Do not reuse them.
3. **Clean and Maintain PPE:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash PPE after each day's use.
4. **Contact With Mouth:** Never siphon this product by mouth or use mouth to blow out clogged lines, nozzles, etc.
5. **Heat Illness Avoidance:** Use measures to avoid or minimize heat illness while using this product. These measures include gradual adjustment to heat and respirator stress, fans for cooling, cooling vests, frequent breaks to cool down, frequent intake of drinking water, and maintaining weight from day to day.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. See "Storage, Shipment, and Disposal" section. In case of spills properly dispose of contaminated materials.

Ground water advisory: 1,3-dichloropropene is known to move through soil and under certain conditions has the potential to reach ground water as a result of agricultural use. Application in areas where soils are permeable and ground water is near the surface could result in ground water contamination. Do not apply within 100 feet of any well used for potable water. Do not apply in areas overlying karst geology.

In North Dakota, South Dakota, Wisconsin, Minnesota, New York, Maine, New Hampshire, Vermont, Massachusetts, Utah, and Montana: Where groundwater aquifers exist at a depth of 50 feet or less from the surface, do not apply this product where soils are Hydrologic Group A.

Physical or Chemical Hazards

Flammable - Do not use, pour, spill, or store near heat or open flame. Do not cut or weld container.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Entry Restriction:

Entry (including early entry that would otherwise be permitted under the WPS) by any person -- other than a correctly trained and equipped handler who is performing a handling task permitted on this labeling -- is **prohibited** from the start of application until 5 days after application. In addition, if tarps are used for the application, non-handler entry is prohibited while tarps are being removed.

Notification and Posting:

Notify workers of the application by warning them orally and by posting fumigant warning signs at entrances to treated areas. The sign must bear the skull and crossbones symbol and state: (1) "DANGER/PELIGRO," (2) Areas under fumigation, "DO NOT ENTER/NO ENTREE," (3) the date and time of fumigation, (4) "InLine fumigant in use," and (5) name, address, and telephone number of the applicator. Post the fumigant warning sign instead of the WPS sign for this application, but follow all WPS requirements pertaining to location, legibility, size and timing of posting and removal.

PPE For Reentry During The Entry-Restricted Period:

PPE for entry that is permitted by this labeling is listed in the "Hazards to Humans and Domestic Animals" section of this labeling.

Storage, Shipment and Disposal

Shipment: Do not ship or store with food, feeds, drugs, or clothing.

Storage: Store in tightly-closed original container in a cool place away from dwellings. Do not allow contamination of seeds, plants, fertilizers, or other pesticide chemicals. Do not contaminate food, feedstuffs, drugs, or domestic water supplies.

Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide and rinsates is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Because InLine is corrosive under certain conditions, flush all application equipment with fuel oil, kerosene or a similar type of petroleum solvent immediately after use. Fill pumps and meters with new motor oil or a 50% motor oil/fuel oil mixture before storing. Do not use water. Dispose of rinsate by applicable Federal, state and local regulations. Never introduce rinsate or unused InLine into surface or underground water supplies.

Refillable Containers: Follow cleaning and handling directions in the "Telone Soil Fumigants - A Guide

General Information

InLine soil fungicide and nematicide is a multi-purpose liquid fumigant for preplant treatment of soil to control nematodes and symphylans and to manage certain soil borne diseases in cropland using drip irrigation systems only. InLine may be applied as a preplant soil treatment to develop management programs for control of plant parasitic nematodes such as root-knot, root lesion, citrus, cyst formers (golden, sugar beet, soybean), burrowing, lance, reniform, ring, spiral, sting, pin, stubby root, dagger and certain others; symphylans (garden centipedes) and wireworms and certain soil borne diseases such as Verticillium wilt of strawberries and cole crops and Fusarium crown and root rot of tomatoes.

InLine may be applied through surface or buried drip tape. The use of a tarp is mandatory for all applications of this product.

Before fumigation, soil sampling for the type and number of pests present is recommended. In fields where pre-treatment soil samples indicate the presence of high population levels of nematodes, a successful fumigation cannot be expected to eradicate entire populations. Therefore, post-treatment sampling is recommended to determine the need for additional pest management practices.

Consult State Agricultural Experiment Station or Extension Service specialists for information on other practices such as post-harvest destruction of crop residues, weed control or other cultural practices, and use of nematode resistant crop varieties that may aid in reducing crop losses from soil borne pests.

General Use Precautions

Soil fumigation using InLine should be conducted only according to directions and conditions of use described in this label.

Do not formulate this product into other end-use products.

Recontamination prevention: InLine will control pests that are present in the soil treatment zone at time of fumigation. It will not control pests that are introduced into soil after fumigation. To avoid reinfestation of treated soil do not use irrigation water, transplants, or equipment that could carry soil borne pests from infested land. Avoid contamination from moving infested soil onto treated beds through cultivation, movement of soil from below the treated zone, dumping contaminated tare soil in treated fields and soil contamination from equipment or crop remains. Clean equipment carefully before entering treated fields.

Do not use containers, pumps or other transfer equipment made of aluminum, magnesium or their alloys, as under certain conditions InLine may be severely corrosive to such metals.

Fertility Interactions: Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid crop injury, fertilize as indicated by soil tests made after fumigation. To avoid ammonia injury or nitrate starvation (or both) to crops grown on high organic soils, do not use fertilizers containing ammonium salts. Use only fertilizers containing nitrates until after the crop is well established and the soil temperature is above 65°F.

Application Directions

Application Rates

Control of Nematodes

InLine is recommended for the control of nematodes, symphylans and wireworms in soils to be planted to vegetable, field and fruit crops. Refer to Table 1 for broadcast-equivalent application rates. Based on the width of the area to be treated, reduce the broadcast rates proportionately.

- Dilution rate as applied: 500 to 1,500 ppm of InLine.
- 1,500 ppm of 1,3-D is equivalent to 1 gallon of InLine in 525 gallons of water.

Table 1. Broadcast Equivalent Rates and Use Information for Nematodes, Symphylans[†], Wireworms[†] and Certain Soil-Borne Diseases in Listed Soils and Crops.

Crop	Soil Type	Broadcast Application Rates (1) (Gallons/Acre)
Field Crops Vegetable Crops	Mineral	13 to 20.5 (2)
Strawberries Pineapples	Mineral	29 to 38.4 29 to 56

1. Rates given are broadcast equivalent. Based on the width of the area to be treated, reduce the broadcast rates proportionately. Not intended for use on muck or peat soils.
2. For cyst-forming nematodes increase dosage to 26 gallons/acre.

[†]**Note:** To control symphylans (garden centipedes) apply at 15.5 or more gallons per acre, and apply during late summer or early fall when the soil is warm. To suppress wireworms, use dosages recommended for nematodes.

Application Methods

Surface and Shallow Buried Drip Applications: Apply as a preplant treatment through surface drip or shallow tape (less than 5 inches from soil surface) irrigation systems under secured, mandatory tarp seal. As a minimum, the tarp seal must remain in place for 14 days.

Deep Buried Drip Application: Apply through buried drip irrigation systems (drip lines buried at least 5 inches below the soil surface) as a preplant treatment. The use of a tarp is mandatory for deep buried drip applications of this product. As a minimum, the tarp seal must remain in place for 14 days.

Planting Interval: Leave the soil undisturbed and unplanted for at least 14 days after application of the fumigant. A longer undisturbed interval is required under cold or wet soil conditions.

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After fumigation, to prevent phytotoxicity, allow the fumigant to dissipate completely before planting the crop. Under optimum soil conditions for dissipation, 1 week for each 10 gallons/acre is recommended with a minimum interval of 14 days following application. Seed may be used as a bioassay to determine if InLine is present in the soil at concentrations sufficient to cause plant injury. Do not plant if the odor of InLine is present.

Buffer Zone: An application of InLine shall not be made within 100 feet of an occupied structure, such as a school, hospital, business or residence. No person shall be present at this structure at any time during the seven consecutive day period following application. **This buffer zone does not apply to use on soils that will not experience an additional 1,3-D treatment for at least three years. For example, on soils to be planted with perennial crops.**

Tank Mixing: Do not mix InLine with other agricultural products.

Preharvest Interval: Not applicable.

Other Requirements

Soil must be in good seed bed condition, free of clods and undecomposed plant material.

Use drip irrigation components made only of copper, stainless steel, steel, polypropylene, polyethylene, nylon, Teflon, rigid PVC, EPDM and Viton. Rigid PVC should not be exposed to undiluted InLine or more than 1,500 ppm InLine in the diluted form. Do not use drip tube materials made of aluminum, magnesium, zinc, cadmium, tin and alloys, or vinyl.

Drip emitters should be spaced evenly apart and close enough to wet the entire bed. Planting should occur within the treated area.

Step 1: Moderate pre-irrigation may enhance coverage in very sandy soils, very dry conditions, or in soils with deep buried drip tape. Except under these conditions, pre-irrigation is not recommended.

Step 2: Apply appropriate rate (see Table 1) of InLine in enough water so that the soil moisture throughout the treatment zone, including near the soil surface, is at or near field capacity. The concentration of InLine must be between 500 and 1,500 parts per million in the drip irrigation lines. Do not exceed a concentration of 1,500 parts per million of InLine. InLine must be metered into the water supply and should pass through a mixing device (such as a centrifugal pump or static mixer, coarse filter or fine strainer) to assure proper agitation before it is distributed into the drip irrigation line system. A separate mixing device is not needed if the chemical injection point is at least 50 feet in front of the first "T" junction point. For low velocity (laminar) flows, more distance or a mixing device is needed to thoroughly mix the fumigant. Do not allow treatment solution to accumulate on the soil surface. If ponding, puddling or run-off occurs, then 1) discontinue application immediately, and 2) cover with soil to absorb.

Step 3: After application of InLine, continue to irrigate the area with sufficient untreated water to flush the mixture from the irrigation system. Make sure any rigid PVC dead end or low spots are drained or flushed completely. Do not allow InLine to remain in the irrigation system. Leave the soil undisturbed for at least 14 days. Then proceed with normal crop management activities.

Special Use Precautions for Chemigation Application Equipment

1. Apply this product only through surface and buried tape drip irrigation systems. Do not apply this product through any other type of irrigation system.
2. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.
3. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.

4. Do not connect irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
5. Do not apply this product through any other type of irrigation system except as described in this labeling.
6. Only a person knowledgeable of the chemigation system and responsible for its operation, or a person under the supervision of the responsible person, shall operate the system and make necessary adjustments should the need arise.
7. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent back-flow contamination of the water source.
8. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the chemical supply or injection pump.
9. The pesticide injection pipeline must also contain a functional, normally closed, automatic valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
10. The system must contain a functional inter-lock to automatically shut off the pesticide injection pump when the water pump motor stops.
11. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
12. Injection systems must use a metering pump, such as a positive displacement injection pump or diaphragm pump, venturi system, or a pressure-safe cylinder containing InLine equipped with a metering valve and flow meter. This equipment must be constructed of materials that are compatible with InLine and capable of being fitted with a system interlock.
13. InLine should be injected into the center of the irrigation water stream by using a suitable dip tube. This will prevent damage from undiluted fumigant contacting PVC pipe at the point of injection.

Terms and Conditions of Use

If terms of the following **Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies** are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under **Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies**.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. **Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages **resulting from this product** (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Dow AgroSciences shall not be liable for **losses or damages** resulting from handling or use of this product unless Dow AgroSciences is **promptly notified of such loss or damage** in writing. In no case shall Dow AgroSciences be liable for **consequential or incidental damages** or losses.

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